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**TITLE:** ELECTROLYTIC CAPACITOR  
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**INVENTOR-INFORMATION:**

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**ABSTRACT:**

**PURPOSE:** To making the title capacitor from an element chemically stable to the electrolyte and excellent in heat resistance and by elongating its

lifetime by forming the separator from an unwoven cloth of glass fibers.

CONSTITUTION: A glass fiber unwoven cloth prepared by adhesion at interfiber cross points with a binder selected from a group consisting of silicone resin, epoxy resin, and melamine resin is preferable. Adhesion is made by the following: for example, drying by heat treatment or other after dipping of a glass fiber unwoven cloth in a solution of an emulsion containing the binder. A preferable way is use of the binder in an amount of 0.1g-5g per 1g of glass fiber unwoven cloth. The density of glass fiber unwoven cloth is preferably 0.05-50g/cm<sup>3</sup>, and the thickness 10-20 μm. A preferable thickness of the fiber yarn of the glass fiber unwoven cloth is 1-10 μm, fiber yarns of different thicknesses can be suitably mixed in use.

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